

THE INVENTION CLAIMED IS

1. A spin-cleaning system, comprising:

5 a pair of spindle assemblies for attachment to
opposite ends of a cylindrically shaped cartridge filter, and
providing for a cleaning action by centrifugal force;

10 a three-point gripping mechanism included in each
of the pair of spindle assemblies and for providing a self-
centering and self-balancing attachment to said filter
cartridge;

15 a foot bearing disposed at one end of one of the
pair of spindle assemblies and providing for ground support
of the whole and a free-rotating action; and

20 a handle bearing disposed at one end of the other
of the pair of spindle assemblies and providing for user hand
support of the whole and said free-rotating action.

25 2. The system of claim 1, wherein the pair of spindle
assemblies are similar to one another and each comprises:

30 a set of three gripper arms for grasping a
cartridge filter outside a perimeter of one end;

25 a threaded hub attached with pivots to each of the
gripper arms and having a thread inside that runs along a
shaft coaxial to an axis of rotation; and

30 a cap hub fastened in a swivel to one end of said
threaded shaft and attached to the gripper arms by links and
for providing a closing and opening grip action by the
gripper arms as the threaded hub is run along said threaded
shaft.

3. The system of claim 2, further comprising:

 a foot attached to a distal end of said threaded
shaft for providing a supporting rest during use.

4. The system of claim 2, further comprising:

a handle attached to a distal end of said threaded shaft for providing a hand grip for a user.

5

5. A method for cleaning a closed-end cartridge filter, comprising the steps of:

mounting a spindle assembly to one end of a cylindrically shaped cartridge filter, wherein, said spindle
10 assembly is self-centered on said end of said cartridge filter by a three-point grip

attaching a similar spindle assembly to the other end of said cartridge filter such that its axis of rotation is the same as an axis of rotation for the first spindle
15 assembly;

resting a tip of one spindle assembly on the ground while;

holding a tip of the other spindle assembly in a user's hand; and

20 directing a pressurized stream of air or water at said cartridge filter with the user's other hand such that said stream causes the whole to rotate, and a speed of rotation is brought high enough to fling debris from the filter and thus clean it.

PAPERS EVIDENCED AS TO THE DATE OF THIS DOCUMENT